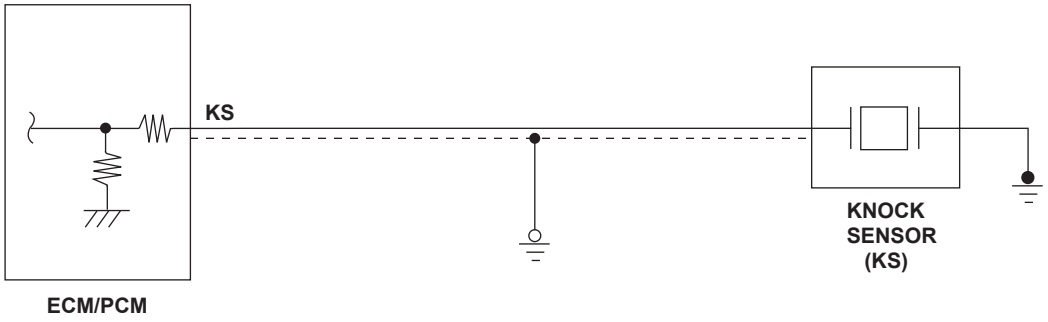
Advanced Diagnostics

DTC P0325: Knock Sensor (KS) Circuit Malfunction



P0325-9801

General Description

The knock sensor is mounted on the cylinder block and detects engine knocking. The vibration caused by knocking are converted into electrical signals through the piezo ceramic element. The engine control module (ECM)/powertrain control module (PCM) controls the ignition timing based on the electrical signals. If the signal from the knock sensor do not vary for a set time period, the ECM/PCM detects a malfunction and stores a DTC.

Monitor Execution, Sequence, Duration, DTC Type

Execution	Continuous
Sequence	None
Duration	5 seconds or more
DTC Type	One drive cycle, MIL ON

Enable Conditions

Condition	Minimum	Maximum
Engine speed	1,800 rpm	—
Engine coolant temperature	140ºF (60ºC)	—
No active DTCs	KS, CKP, TDC, MAP, ECT, CYP, IAT, VTEC System	

Malfunction Threshold

No signals from KS are detected for at least 5 seconds.

Diagnosis Details

Conditions for illuminating the MIL
When a malfunction is detected, the MIL comes on and the DTC and the freeze frame data are stored in the ECM/PCM memory.

Conditions for clearing the MIL
The MIL will be cleared if the malfunction does not recur during three consecutive trips in which the diagnostic runs.
The MIL, the DTC, and the freeze frame data can be cleared by using the scan tool Clear command or by disconnecting the battery.